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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/781,937

02/12/2001

Brad Buxton

AVOT/002

1774

54698

7590

06/02/2006

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EXAMINER

BORLINGHAUS, JASON M

ART UNIT

PAPER NUMBER

3628

DATE MAILED: 06/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/781,937	BUXTON ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Jason M. Borlinghaus	3628	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on 17 March 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-71 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-71 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

**DETAILED ACTION*****Claim Rejections - 35 USC § 103***

**Claims 1 – 23, 25 – 33, 35 – 43 and 45 – 71** are rejected under 35 U.S.C. 103(a) as being unpatentable over Disclosed Prior Art (specification, pp. 1 – 5) in view of Alaia (US Patent 6,199,050).

**Regarding Claim 1**, Disclosed Prior Art discloses a method of collecting (“Once the vendor proposals have been collected and analyzed, the customer must choose one or more of the vendors to provide services to meet its telecommunications needs.” – see p. 4, lines 17 – 19) commodity (telecommunication service) information including multiple predefined commodity designations (service class designations) representing multiple predefined commodities (class of service) and an estimated market price (historical prices - “...historical call data is typically gathered by the customer, e.g. from past bills...” – see p. 3, lines 1 – 2), stored in association with one or more of the commodity designations (service class designations – “However, service class designations are not typically listed in the billing formats used by most carriers.” – see p. 3, lines 19 – 20), comprising:

- providing a reverse auction (bidding) environment. (see p. 3, line 24 – p. 4, line 16);
- receiving a request for proposals (RFP) from a customer at the reverse auction environment, the RFP including a request for bids on at least a specified one of the commodities (telecommunication service). (see p. 3, line 26 – p. 4, line 6);

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- soliciting multiple potential vendors (potential telecommunications vendors) to submit proposals responsive to the RFP in the reverse auction environment. (see p. 3, line 26 – p. 4, line 6);
- receiving one or more vendor proposals in the reverse auction environment, at least one of the vendor proposals being responsive to the RFP and including a proposed price (bid price) for the specified commodity (telecommunication service). (see p. 3, line 26 – p. 4, line 15); and
- extracting the proposed price (bid price) from each of the responsive vendor proposals. (“...took a team of 20 people an entire month to review and extract relevant bid information.” – see p. 4, lines 11 – 14).

Disclosed Prior Art does not teach a method of updating a database of commodity information including multiple predefined commodity designations representing multiple predefined commodities and an estimated market price stored in association with one or more of the commodity designations, comprising:

- providing an online reverse auction environment accessible via a computer network;
- receiving a request for proposals (RFP) from a customer at the online reverse auction environment, the RFP including a request for bids on at least a specified one of the commodities;

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- soliciting multiple potential vendors to submit proposals responsive to the RFP in the online reverse auction environment,
- receiving one or more vendor proposals in the online reverse auction environment, at least one of the vendor proposals being responsive to the RFP and including a proposed price for the specified commodity;
- comparing the proposed price to the estimated market price of the specified commodity; and
- updating the database with the proposed price so that the estimated market price more accurately approximates an actual market price.

Disclosed Prior Art does not teach that the method is automatic. However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have automated the method, since it has been held that broadly providing a mechanical or automatic means to replace manual activity that accomplishes the same result involves only routine skill in the art. *In re Venner*, 120 USPQ 192.

Conducting an auction, including a reverse auction, in an online environment is old and well known in the art of auctions. As evidenced by Alaia (see col. 2, line 23 – col. 5, line 46). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art by incorporating an online reverse auction, as was disclosed

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by Alaia, to increase the speed of the auction process and enhance the exposure of the auction process, allowing more potential bidders to participate.

Comparing proposed price (bid) to the estimated market price (ceiling) of a specified commodity and lowering the estimated market price (ceiling) to reflect the actual market price (lowest incoming bids) of a specified commodity is old and well known in the art of auctions and sales. As evidenced by Alaia which states "A second option is to set a ceiling at the lowest bid. In this case, some suppliers may be prevented from bidding because they cannot meet the ceiling. This does not matter if the buyer is indifferent over which supplier to award to (the buyer awards to the lowest bidder either at the ceiling or the market price if bidding goes below the ceiling)." (see col. 21, lines 33 – 38). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have further modified Disclosed Prior Art by incorporating an estimated market price (ceiling) into the online reverse auction, as was disclosed by Alaia, either based upon the current lowest bid, as per Alaia, or historical billing data, as per Disclosed Prior Art, to compare incoming bids to such an estimated market price, as disclosed by Alaia, and readjust the estimated market price (ceiling) to reflect the actual market price (lowest current bid), to filter out or otherwise de-prioritize incoming bids which are not as low as the estimated market price.

Storage of information in a database and updating of such information is old and well known in the art of computer system and database design. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia by incorporating a

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database, as is old and well-known, and providing a method by which to update the database, as is old and well-known, to provide an efficient manner by which to store, filter and, otherwise, analyze incoming bids.

**Regarding Claim 2**, Disclosed Prior Art does not teach a method in which the updating of the database includes updating the estimated market price only if the proposed price is less than the estimated market price.

Alaia discloses a method in which the updating of the database includes updating the estimated market price (ceiling) only if the proposed price (incoming bid) is less than the estimated market price (ceiling). (“A second option is to set a ceiling at the lowest bid.” – see col. 21, lines 33 – 38).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have further modified Disclosed Prior Art by incorporating an estimated market price (ceiling) into the online reverse auction based upon the current lowest bid, as per Alaia, and to readjust the estimated market price (ceiling) to reflect the actual market price (lowest current bid), to filter out or otherwise de-prioritize incoming bids which are not as low as the estimated market price.

**Regarding Claim 3**, neither Disclosed Prior Art nor Alaia teach a method in which:

- the estimated market price has an age and the updating of the database includes updating the estimated market price when its age exceeds a predetermined expiration age.

Updating a database or having the database update values at a certain time is old and well known in the art of database and computer system design. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia by incorporating the ability to update the estimated market price (ceiling), as disclosed Alaia, and the database containing such information, as is old and well-known, when the estimate market price (ceiling) exceeds a predetermined expiration age (a certain time is reached), as is old and well-known, to ensure that the database and its contained information remains properly updated and current.

**Regarding Claim 4**, Disclosed Prior Art discloses a method in which:

- the RFP includes an anticipated quantity of the specified commodity (traffic per class of service) (see. p. 3, lines 25 – 27).

Disclosed Prior Art does not teach a method in which:

- the database includes a volume-based estimated market price for each of multiple predefined quantity ranges of each of the commodities, at least one of the predefined quantity ranges corresponding to the anticipated quantity of the RFP; and
- the comparison of the proposed price to the estimated market price includes comparing the proposed price to the volume-based estimated market price corresponding to the anticipated quantity.

Storage of information in a database and updating of such information is old and well known in the art of computer system and database design. It would

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have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia by incorporating a database, as is old and well-known, and providing a method by which to update the database, as is old and well-known, to provide an efficient manner by which to store, filter and, otherwise, analyze incoming bids.

Comparing proposed price (bid) to the estimated market price (ceiling) of a specified commodity and lowering the estimated market price (ceiling) to reflect the actual market price (lowest incoming bids) of a specified commodity is old and well known of auctions and sales. As evidenced by Alaia which states "A second option is to set a ceiling at the lowest bid. In this case, some suppliers may be prevented from bidding because they cannot meet the ceiling. This does not matter if the buyer is indifferent over which supplier to award to (the buyer awards to the lowest bidder either at the ceiling or the market price if bidding goes below the ceiling)." (see col. 21, lines 33 – 38). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have further modified Disclosed Prior Art and Whitten by incorporating an estimated market price (ceiling) into the online reverse auction, as was disclosed by Alaia, either based upon the current lowest bid, as per Alaia, or historical billing data, as per Disclosed Prior Art, to compare incoming bids to such an estimated market price, as disclosed by Alaia, and readjust the estimated market price (ceiling) to reflect the actual market price (lowest current bid), to filter out or otherwise deprioritize incoming bids which are not as low as the estimated market price.

As RFPs and proposed prices correspond to an anticipated quantity, it would have been obvious to one of ordinary skill to have related the estimated market price (ceiling), as disclosed by Alaia, to a volume (anticipated quantities/portion thereof), specifically to create a volume-based estimated market price that corresponds to the anticipated quantity stated in the RFP, to have the estimated market price have any form of relevance to the collection of bids.

Predefined quantity ranges are old and well known in the art of forecasting and financial analysis, and it would have been obvious to one of ordinary skill to have developed predefined quantity ranges corresponding to the anticipated quantity of the RFP or portions thereof and incorporated such predefined quantity ranges into Disclosed Prior Art, Alaia and Whitten for price comparison simplicity.

**Regarding Claims 5 – 8**, Disclosed Prior Art discloses a method in which:

- the commodities include telecommunication services. (see pp. 1 – 5);
- the information collected includes one or more nonprice market terms for each of the commodities (telecommunication services).  
(“For example, the RFP may specify nonprice service plan features desired by the customer, such as contract duration...In response to the RFP, each interested vendor prepares a detailed proposal that represents a bid for the services or a portion thereof.” – see p. 3, line 29 – p. 4, line 6 – establishing that information collected from potential vendors address nonprice market terms);

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- the nonprice market term is associated with (a) one or more of the commodities (telecommunication services). (see p. 3, line 29 – p. 4, line 5); and
- the nonprice market terms are selected from the group consisting of:
  - (a) contract duration. (see p. 3, line 29 – p. 4, line 4);
  - (b) quality of service. (see p. 3, line 29 – p. 4, line 4);
  - (c) refund policies. (see p. 3, line 29 – p. 4, line 4);
  - (d) warranties. (see p. 3, line 29 – p. 4, line 4);
  - (e) customer service response time. (see p. 3, line 29 – p. 4, line 4);
  - (f) customer service escalation obligations. (see p. 3, line 29 – p. 4, line 4);
  - (g) multilingual support services. (see p. 3, line 29 – p. 4, line 4);
  - (h) e-mail response services. (see p. 3, line 29 – p. 4, line 4);
  - (i) exclusivity terms. (see p. 3, line 29 – p. 4, line 4);
  - (j) discounts. (see p. 3, line 29 – p. 4, line 4);
  - (k) installation fees. (see p. 3, line 29 – p. 4, line 4);
  - (l) risk allocation. (see p. 3, line 29 – p. 4, line 4);
  - (m) contract renewal terms. (see p. 3, line 29 – p. 4, line 4);
  - (n) contract termination conditions. (see p. 3, line 29 – p. 4, line 4);and
  - (o) any combination of (a) to (n). (see p. 3, line 29 – p. 4, line 4).

Disclosed Prior Art does not teach a method in which:

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- the database includes one or more nonprice market terms for each of the commodities.
- the nonprice market term is associated with a combination
- (b) the estimated market price for said one or more commodities.

Storage of information in a database is old and well known in the art of computer system and database design. As evidenced by Whitten which discusses the well-known nature of database systems for storage of data (see p. 4 – 5). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia by incorporating a database, as disclosed by Whitten, and storing nonprice market terms on such a database, as disclosed by Whitten, to provide an efficient manner by which to store, filter and, otherwise, analyze incoming bids.

Comparing proposed price (bid) to the estimated market price (ceiling) of a specified commodity is old and well known of auctions and sales. As evidenced by Alaia which states “A second option is to set a ceiling at the lowest bid. In this case, some suppliers may be prevented from bidding because they cannot meet the ceiling. This does not matter if the buyer is indifferent over which supplier to award to (the buyer awards to the lowest bidder either at the ceiling or the market price if bidding goes below the ceiling).” (see col. 21, lines 33 – 38), as mentioned previously. It would have been obvious to one of ordinary skill in the art at the time the invention was made that when a bid price is compared (associated) with an estimated market price, the nonprice terms attached to the

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bid price are, by virtue of being submitted in connection with a bid proposal, are also associated with the estimated market price of said commodity.

**Regarding Claims 9 – 15**, Claims 9 -15 recite similar limitations to Claims 1 – 8, in combination, and is therefore rejected using the same art and rationale as applied in the rejection of Claims 1 – 8.

**Regarding Claim 16**, Disclosed Prior Art discloses a system for facilitating the purchase of telecommunications services comprising:

- a customer traffic history information collection including traffic information (historical call data) describing a historical quantity of the telecommunications service used by a customer during a previous time period (billing period). (“To begin the negotiation process, historical call data is and service plan features, typically gathered by the customer, e.g., from past bills, and used to help forecast telecommunications needs for the duration of the proposed contract term” – see p. 3, lines 1 – 3);
- an RFP preparation stage for preparation of a request for proposals (RFP) describing an anticipated quantity of the telecommunications service. (see p. 3, lines 24 – 28);
- the RFP preparation utilizing the historical quantity from the customer traffic history information collection for use in determining the anticipated quantity of the telecommunications service. (“To begin the negotiation process, historical call data is and service plan features, typically gathered by the customer, e.g., from past

bills, and used to help forecast telecommunications needs for the duration of the proposed contract term... The forecast telecommunications needs are then set forth

- in a request for proposals (RFP) that is distributed to potential telecommunications vendors.” – see p. 3, lines 1 – 28);
- a reverse auction (bidding) environment, accessible by multiple potential vendors, the potential vendors including one or more interested vendors, the auction environment adapted to display the RFP to the interested vendor and to receive bids on the RFP from the interested vendors. (see p. 3, line 26 – p. 4, line 9); and
- a bid analysis stage in communication with the auction environment for analyzing the received bids. (see p. 4, lines 14 – 20).

Disclosed Prior Art does not teach a system for facilitating the purchase of telecommunications services comprising:

- a best of class database including an estimated market price for at least one telecommunications service;
- a customer traffic history database including traffic information describing a historical quantity of the telecommunications service used by a customer during a previous time period;
- an RFP preparation module accessible by the customer via the Internet for preparation of a request for proposals (RFP) describing an anticipated quantity of the telecommunications service, the RFP preparation module being adapted to extract the historical quantity

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from the customer traffic history database for use in determining the anticipated quantity of the telecommunications service;

- an online reverse auction environment, accessible by multiple potential vendors via the Internet, the potential vendors including one or more interested vendors, the online reverse auction environment adapted to display the RFP to the interested vendor and to receive bids on the RFP from the interested vendors; and
- a bid analysis module in communication with the online reverse auction environment and the best of class database for analyzing the received bids.

Disclosed Prior Art does not teach that the system is automatic. However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have automated the method, since it has been held that broadly providing a mechanical or automatic means to replace manual activity that accomplishes the same result involves only routine skill in the art. *In re Venner*, 120 USPQ 192.

Conducting auctions, including reverse auctions, in an online environment are old and well known in the art of auctions. As evidenced by Alaia (see col. 2, line 23 – col. 5, line 46). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art by incorporating an online reverse auction, as was disclosed by Alaia, to increase the speed of the auction process and enhance the exposure of the auction process, allowing more potential bidders to participate.

Preparing RFP for the reverse auction and, transmitting and/or displaying the RFP to potential bidders via the Internet is old and well known in the art of auctions. As evidenced by Alaia (col. 3, lines 7 – 65). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art by incorporating the preparation of the RFP and communication of the RFP, as disclosed by Alaia, in an online auction environment, as disclosed by Alaia, allowing potential sellers to provide information to the system necessary to secure actual bids, and allowing bidders to read information necessary to determine their own bids for submission.

Storage of information in a database is old and well known in the art of computer system and database design. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art by incorporating a database, as is old and well-known, and storing customer traffic history and classic designations, all of which have been disclosed by Disclosed Prior Art, and estimated market price (ceiling), as disclosed by Alai (supra – see col. 21, lines 33 – 38), which is reflective of the best price (lowest bid) for the commodity, as disclosed by Alai (supra – see col. 21, lines 33 – 38) to provide an efficient manner by which to store, filter and, otherwise, analyze incoming bids.

Modular programming and constructing a system from modular components is old and well known in the art of computer system and manufacturing design. It would have been obvious to one of ordinary skill at the time the invention was made to have modified Disclosed Prior Art and Alaia to

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have been constructed utilizing a modular design to capture all the benefits and advantages of modular design such as being easier to debug and maintain.

Extraction and transferring data/information between systems, programs and/or modules is old and well known in the art of computer system design and computer communication. It would have been obvious to one of ordinary skill to have modified Disclosed Prior Art and Alaia to allow for extraction of information from the database for use in the development of a forecast, an established manual process, as disclosed by Disclosed Prior Art (see specification, p. 3, lines 1 – 3), to speed up the forecasting process with automatic extraction and transmission of needed information from storage.

**Regarding Claim 17**, Disclosed Prior Art discloses a system further comprising:

- receiving bids from the interested vendors. (see p. 3, line 26 – p. 4, line 15).

Neither Disclosed Prior Art nor Alaia teach a system further comprising:

- a database updating module for updating the best of class database in response to the bids received from the interested vendors.

Storage of information in a database and updating of such information is old and well known in the art of computer system and database design. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia by incorporating a database, as is old and well-known, and providing for the updating the database,

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as is old and well-known, upon the receipt of bids from interested vendors, as disclosed by Disclosed Prior Art, as the arrival of new bids would constitute the entrance of new data into the database necessitating an update.

**Regarding Claim 18,** Disclosed Prior Art does not teach a system in which:

- the online reverse auction environment includes security for admitting potential vendors only with a valid username and password.

Alaia discloses a system in which:

- the online reserve auction environment includes security (evaluating authorization) for potential vendors. ("When a bidder submits a bid, that bid is sent to the server component and evaluated to determine whether the bid is from an authorized bidder, and whether the bid has exceeded a pre-determined maximum acceptable price." – see col. 4, lines 4 – 7).

Utilizing a valid username and password to secure access and admittance to a computer application or a designated online environment is old and well known in the art of online applications and computer system design. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia by incorporating a security system, as disclosed by Alaia, utilizing a password and userid to allow to provide an easily implemented security system for the online auction environment.

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**Regarding Claims 19 – 23**, Disclosed Prior Art discloses a system in which:

- a ranking of the new bid (proposal) relative to the bids (proposals) previously received in the reverse auction (bidding) environment. (see p. 4, lines 4 – 20. It is inherent in an auction environment that there is some ranking of incoming bids in order to select a top or winning bidder).

Disclosed Prior Art does not teach a method in which:

- a ranking of the new bid relative to the bids previously received at the online reverse auction environment;
- the bid analysis module is configured to provide a feedback in response to receipt of a new bid at the online reverse auction environment;
- the feedback includes a ranking of the new bid relative to the bids previously received at the online reverse auction environment;
- the feedback is provided to the interested vendor that submitted the new bid;
- the feedback is provided via email to interested vendors that have submitted bids previous to the new bid; and
- the feedback is provided via email to the potential vendors.

Alaia discloses a system in which:

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- a ranking of the new bid relative to the bids previously received at the online reverse auction environment. ("For example, the rank of a bid can be considered,..." – see col. 13, lines 62 – 65);
- the bid analysis module is configured to provide a feedback (broadcast) in response to receipt of a new bid (bids placed by supplier) at the online reverse auction environment. (see col. 4, lines 7 – 11);
- the feedback (broadcast) is provided to the interested vendor that submitted the new bid (all connected bidders). (see col. 4, lines 7 – 11);
- the feedback (broadcast) is provided to interested vendors that have submitted bids previous to the new bid (all connected bidders). (see col. 4, lines 7 – 11); and
- the feedback (broadcast) is provided via email to the potential vendors (all connected bidders). (see col. 4, lines 7 – 11).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art by incorporating a ranking system, as disclosed by Alaia, to allow for the organization and analysis of incoming bids into winning and failing bids, as disclosed by Disclosed Prior Art, effectively and efficiently.

It would have been obvious to one of ordinary skill in the art at the time to modified Disclosed Prior Art by incorporating a feedback mechanism, as

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disclosed by Alaia, to keep all bidders and potential bidders apprised of the status of the marketplace and their place within the marketplace.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia to allow for the inclusion of any information into the feedback that the inventor desired, such as the ranking of the bids.

Utilizing email for the transmission of information to connected system users is old and well known in the art of communication and information transmission. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia to allow for transmission of feedback, as disclosed by Alaia, through an email, an established and existing technological means for transmission of such information.

**Regarding Claim 25**, Claim 25 recites similar limitations to Claim 4 and is therefore rejected using the same art and rationale as applied in the rejection of Claim 4.

**Regarding Claim 26**, Disclosed Prior Art discloses a system:

- in which, the telecommunication service information includes one or more nonprice market terms for telecommunications services. (“For example, the RFP may specify nonprice service plan features desired by the customer, such as contract duration...”.— see p. 3, line 29 – p. 4, line 6);

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- the RFP preparation includes the customer's entry for one or more desired nonprice terms. (see p. 3, line 29 – p. 4, line 6); and
- in the auction environment the interested vendors respond to the desired non price terms as part of the bids of the interested vendors. ("For example, the RFP may specify nonprice service plan features desired by the customer, such as contract duration...In response to the RFP, each interested vendor prepares a detailed proposal that represents a bid for the services or a portion thereof." – see p. 3, line 29 – p. 4, line 6 – establishing that information collected from potential vendors address nonprice terms).

Disclosed Prior Art does not teach a system:

- in which, the database includes one or more nonprice market terms for the telecommunications services;
- the RFP preparation module prompts the customer for one or more desired nonprice terms; and
- the online reverse auction environment prompts the interested vendors for responses to the desired nonprice terms as pad of the bids of the interested vendors.

Conducting auctions, including reverse auctions, in an online environment are old and well known in the art of auctions. As evidenced by Alaia (see col. 2, line 23 – col. 5, line 46). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art by incorporating an online reverse auction, as was disclosed by Alaia, to increase

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the speed of the auction process and enhance the exposure of the auction process, allowing more potential bidders to participate.

Storage of information in a database is old and well known in the art of computer system and database design. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia by incorporating a database, as is old and well-known, and storing nonprice market terms on such a database, as is old and well-known, to provide an efficient manner by which to store, filter and, otherwise, analyze incoming bids.

Preparing RFP for the reverse auction and, transmitting and/or displaying the RFP to potential bidders is old and well known in the art of auctions. As evidenced by Alaia (col. 3, lines 7 – 65). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art by incorporating the preparation of the RFP and communication of the RFP, as disclosed by Alaia, in an online auction environment, as disclosed by Alaia, allowing potential sellers to provide information to the system necessary to secure actual bids, and allowing bidders to read information necessary to determine their own bids for submission.

Prompting a user for information and/or input is old and well known in the art of computer system design and online environments. It would have been obvious to one with ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia to prompt users for the input of

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information when the system required such information to ensure the input of the required information for proper system functioning.

**Regarding Claim 27**, Disclosed Prior Art discloses a system in which:

- the bid analysis function analyzes the responses to the desired nonprice terms when analyzing the the received bids. (see p. 3, line 25 – p. 4, line 20 – It is inherent that the bid analysis also analyses the responses to the desired nonprice terms since the RFP includes nonprice terms (supra), the bid made in response to the RFP includes the nonprice terms (supra) and the analysis is made of the bid and its component terms (other terms - see p. 4, lines 9 – 11)).

Disclosed Prior Art does not teach a system:

- in which the bid analysis module is adapted to analyze the responses to the desired nonprice terms when analyzing the received bids.

Disclosed Prior Art does not teach that the bid analysis is automatic.

However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have automated the method, since it has been held that broadly providing a mechanical or automatic means to replace manual activity that accomplishes the same result involves only routine skill in the art. *In re Venner*, 120 USPQ 192.

**Regarding Claim 28**, Claim 28 recites similar limitations to Claims 16 and 17, in combination, and a portion of Claim 9 regarding “updating the database

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with the proposed price (received bids)..." and is therefore rejected using the same art and rationale as applied in the rejection of Claims 9, 16 and 17.

**Regarding Claims 29 – 30**, Claims 28 - 30 recite similar limitations to Claims 18, 21 and 23, respectively, and is therefore rejected using the same art and rationale as applied in the rejection of Claims 18, 21 and 23.

**Regarding Claims 31 - 32**, Disclosed Prior Art discloses a system in which:

- a ranking of the newly received bid relative to the previously received bid. (see p. 4, lines 4 – 20. It is inherent in an auction environment that there is some ranking of incoming bids in order to select a top or winning bidder).

Disclosed Prior Art does not teach a system in which:

- the received bids include a newly received bid and a previously received bid; and
- the feedback includes a ranking of the newly received bid relative to the previously received bid.

Alaia discloses a system in which:

- the received bids include a newly received bid (bid received at 10:29:06) and a previously received bid (bid received at 10:26:49). (see col. 5, lines 5 – 15);
- the production of feedback (broadcast); (see col. 4, lines 7 – 11);  
and

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- ranking of the newly received bid relative to the previously received bid. ("For example, the rank of a bid can be considered..." – see col. 13, lines 62 – 65);

It would have been obvious to one of ordinary skill in the art at the time the invention was made that bids received over the duration a bidding period, as disclosed by Disclosed Prior Art (see p. 4, lines 7 – 9), would consist of one bid received prior to a second bid, as disclosed by Alaia, as is the nature of bids received over the duration of a time period.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art by incorporating a ranking system, as disclosed by Alaia, to allow for the organization and analysis of incoming bids into winning and failing bids, as disclosed by Disclosed Prior Art, effectively and efficiently.

It would have been obvious to one of ordinary skill in the art at the time to modified Disclosed Prior Art by incorporating a feedback mechanism, as disclosed by Alaia, to keep all bidders and potential bidders appraise of the status of the marketplace and their place within the marketplace.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia to allow for the inclusion of any information into the feedback that the inventor desired, such as the ranking of the bids.

**Regarding Claim 33**, Disclosed Prior Art does not teach a system in which:

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- the feedback is provided to the interested vendor that submitted the previously received bid.

Alaia discloses a system in which:

- the feedback (broadcast) is provided to the interested vendor that submitted the previously received bid (all connected bidders). (see col. 4, lines 7 – 11).

It would have been obvious to one of ordinary skill in the art at the time to modified Disclosed Prior Art by incorporating a feedback mechanism, as disclosed by Alaia, to keep bidders apprised of the status of the marketplace and their place within the marketplace.

**Regarding Claim 35**, Disclosed Prior Art discloses a system in which:

- the system includes an anticipated quantity of the specified commodity (traffic per class of service) (see. p. 3, lines 25 – 27).

Disclosed Prior Art does not teach a method in which:

- the best of class database includes a volume-based estimated market price for each of multiple predefined quantity ranges of each of the telecommunications services, at least one of the quantity ranges corresponding to the anticipated quantity of the telecommunications service; and
- the bid analysis module is adapted to compare the received bid with the volume-based estimated market price corresponding to the anticipated quantity.

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Storage of information in a database and updating of such information is old and well known in the art of computer system and database design. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia by incorporating a database, as is old and well-known, and providing a method by which to update the database, as is old and well-known, to provide an efficient manner by which to store, filter and, otherwise, analyze incoming bids.

Comparing proposed price (bid) to the estimated market price (ceiling) of a specified commodity and lowering the estimated market price (ceiling) to reflect the actual market price (lowest incoming bids) of a specified commodity is old and well known of auctions and sales. As evidenced by Alaia which states "A second option is to set a ceiling at the lowest bid. In this case, some suppliers may be prevented from bidding because they cannot meet the ceiling. This does not matter if the buyer is indifferent over which supplier to award to (the buyer awards to the lowest bidder either at the ceiling or the market price if bidding goes below the ceiling)." (see col. 21, lines 33 – 38). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have further modified Disclosed Prior Art and Whitten by incorporating an estimated market price (ceiling) into the online reverse auction, as was disclosed by Alaia, either based upon the current lowest bid, as per Alaia, or historical billing data, as per Disclosed Prior Art, to compare incoming bids to such an estimated market price, as disclosed by Alaia, and readjust the estimated market price (ceiling) to

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reflect the actual market price (lowest current bid), to filter out or otherwise deprioritize incoming bids which are not as low as the estimated market price.

As RFPs and proposed prices (bids) correspond to an anticipated quantity, it would have been obvious to one of ordinary skill to have related the estimated market price (ceiling), as disclosed by Alaia, to a volume (anticipated quantities/portion thereof), specifically to a volume-based estimated market price that corresponds to the anticipated quantity stated in the RFP, to have the estimated market price have any form of relevance to the collection of bids.

Predefined quantity ranges are old and well known in the art of forecasting and financial analysis, and it would have been obvious to one of ordinary skill to have developed predefined quantity ranges corresponding to the anticipated quantity of the RFP or portions thereof and incorporated such predefined quantity ranges into Disclosed Prior Art and Alaia for price comparison simplicity.

**Regarding Claims 36 - 37**, Claims 36 - 37 recite similar limitations to Claims 26 – 27 and are therefore rejected using the same art and rationale as applied in the rejection of Claims 36 - 37.

**Regarding Claims 38**, Disclosed Prior Art discloses a system in which:

- the telecommunication service information includes one or more nonprice market terms for telecommunications services. (“For example, the RFP may specify nonprice service plan features desired by the customer, such as contract duration...”.— see p. 3, line 29 – p. 4, line 6).

Disclosed Prior Art does not teach a system in which:

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- the best of class database includes one or more nonprice market terms for the telecommunications services; and
- the database updating module is adapted to update the estimated market price and the nonprice market terms of the best of class database.

Comparing proposed price (bid) to the estimated market price (ceiling) of a specified commodity and lowering the estimated market price (ceiling) to reflect the actual market price (lowest incoming bids) of a specified commodity is old and well known in the art of auctions and sales. As evidenced by Alaia which states "A second option is to set a ceiling at the lowest bid. In this case, some suppliers may be prevented from bidding because they cannot meet the ceiling. This does not matter if the buyer is indifferent over which supplier to award to (the buyer awards to the lowest bidder either at the ceiling or the market price if bidding goes below the ceiling)." (see col. 21, lines 33 – 38). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have further modified Disclosed Prior Art by incorporating an estimated market price (ceiling) into the online reverse auction, as was disclosed by Alaia, either based upon the current lowest bid, as per Alaia, or historical billing data, as per Disclosed Prior Art, to compare incoming bids to such an estimated market price, as disclosed by Alaia, and readjust the estimated market price (ceiling) to reflect the actual market price (lowest current bid), to filter out or otherwise de-prioritize incoming bids which are not as low as the estimated market price.

Storage of information in a database and updating of such information is old and well known in the art of computer system and database design. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia by incorporating a database, as disclosed by Whitten, and providing a method by which to update the database, as is old and well-known, as new estimated market prices and nonprice market terms are received, to provide an efficient manner by which to store, filter and, otherwise, analyze incoming bids.

**Regarding Claim 39**, Disclosed Prior Art discloses a system for reducing the cost of telecommunications services, comprising:

- a customer traffic history information collection including traffic information (historical call data) describing a historical quantity of at least some of the classes of telecommunications service (classes of service) used by a customer during a previous time period (billing period). (see p. 3, lines 1 – 3);
- a spending analysis stage for reading multiple telecommunications billing statements including traffic detail data (detailed billing statements). (see p. 2, line 7 – p. 3, line 23);
- extracting (gather) the traffic detail data (historical call data) from the telecommunications billing statements (detailed billing statements). (see p. 2, line 29 – p. 3, line 28);
- a RFP preparation stage for preparation of a request for proposals (RFP) describing an anticipated quantity of a specified one of the

classes of telecommunications service (class of service). (see p. 3, line 24 – p. 4, line 16);

- the RFP preparation stage being adapted to extract (gather) the historical quantity (historical call data) from the customer traffic history information collection for use in determining the anticipated quantity of the specified class of telecommunications service (class of service). (see p. 2, line 29 – p. 3, line 28);
- a reverse auction (bidding) environment accessible by multiple potential vendors, the potential vendors including one or more interested vendors, the reverse auction environment adapted to present the RFP to the interested vendors and to receive bids on the RFP from the interested vendors. (see p. 3, line 26 – p. 4, line 9); and
- a bid analysis stage in communication with the reverse auction (bidding) environment for analyzing the received bids. (see p. 3, line 26 – p. 4, line 9).

Disclosed Prior Art does not teach a system comprising:

- a best of class database including multiple generic classes of telecommunications service and an estimated market price for one or more of the generic classes of telecommunications service;
- a customer traffic history database including traffic information describing a historical quantity of at least some of the generic

classes of telecommunications service used by a customer during a previous time period;

- a spending analysis software module for reading multiple telecommunications billing statements including traffic detail data, extracting the traffic detail data from the telecommunications billing statements, converting the traffic detail data to the generic classes of telecommunications service, and updating the historical quantity of the customer traffic history database with the converted traffic detail data;
- an RFP preparation module accessible by the customer via the Internet for preparation of a request for proposals (RFP) describing an anticipated quantity of a specified one of the generic classes of telecommunications service, the RFP preparation module being adapted to extract the historical quantity from the customer traffic history database for use in determining the anticipated quantity of the specified generic class of telecommunications service;
- an online reverse auction environment accessible by multiple potential vendors via the Internet, the potential vendors including one or more interested vendors, the online reverse auction environment adapted to present the RFP to the interested vendors and to receive bids on the RFP from the interested vendors;
- a bid analysis module in communication with the online reverse auction environment and the best of class database for analyzing

the received bids and generating a feedback in response to the received bids; and

- a database updating module for updating the best of class database with at least one of the received bids so that the estimated market price more accurately approximates an actual market price.

Alaia discloses a system in which:

- generating a feedback (broadcast) in response to the received bids.  
(see col. 4, lines 7 – 11).

Disclosed Prior Art does not teach that the method is automatic. However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have automated the method, since it has been held that broadly providing a mechanical or automatic means to replace manual activity that accomplishes the same result involves only routine skill in the art. *In re Venner*, 120 USPQ 192.

Conducting auctions, including reverse auctions, in an online environment are old and well known in the art of auctions. As evidenced by Alaia (see col. 2, line 23 – col. 5, line 46). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art by incorporating an online reverse auction, as was disclosed by Alaia, to increase the speed of the auction process and enhance the exposure of the auction process, allowing more potential bidders to participate.

Comparing proposed price (bid) to the estimated market price (ceiling) of a specified commodity and lowering the estimated market price (ceiling) to reflect the actual market price (lowest incoming bids) of a specified commodity is old and well known in the art of auctions and sales. As evidenced by Alaia which states "A second option is to set a ceiling at the lowest bid. In this case, some suppliers may be prevented from bidding because they cannot meet the ceiling. This does not matter if the buyer is indifferent over which supplier to award to (the buyer awards to the lowest bidder either at the ceiling or the market price if bidding goes below the ceiling)." (see col. 21, lines 33 – 38). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have further modified Disclosed Prior Art by incorporating an estimated market price (ceiling) into the online reverse auction, as was disclosed by Alaia, either based upon the current lowest bid, as per Alaia, or historical billing data, as per Disclosed Prior Art, to compare incoming bids to such an estimated market price, as disclosed by Alaia, and readjust the estimated market price (ceiling) to reflect the actual market price (lowest current bid), to filter out or otherwise de-prioritize incoming bids which are not as low as the estimated market price.

Storage of information in a database and updating of such information is old and well known in the art of computer system and database design. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia by incorporating a database, as is old and well-known, and providing a method by which to update

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the database, as is old and well-known, to provide an efficient manner by which to store, filter and, otherwise, analyze incoming information.

Modular programming and constructing a system from modular components is old and well known in the art of computer system and manufacturing design. It would have been obvious to one of ordinary skill at the time the invention was made to have modified Disclosed Prior Art and Alaia to have been constructed utilizing a modular design to capture all the benefits and advantages of modular design such as being easier to debug and maintain.

Converting or translating data into a pre-determined generic format is old and well known in the art of computer systems and data management. It would have been obvious to one of ordinary skill at the time the invention was made to have converted traffic data into a generic traffic format which defines multiple generic classes of service, as traffic is defined by the class of service (see specification, p. 2, lines 2 – 4) to aid the reading and analysis of billing statements in nonstandard formats, as such conversion must be taking place, at least within the minds of the analysts ("Since different telecommunications carriers deliver computer-readable billing data in different formats, the task of compiling historical use summaries and forecasting traffic is highly burdensome for a large company..." – see specification, p. 3, lines 3 – 7 – It is inherent that in compiling a summary based upon billing data in different formats would need to be converted into a common/standardized format, even if such conversion is mental, for summarization to take place).

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Additionally, it would have been obvious to one of ordinary skill in the art at the time to modified Disclosed Prior Art by incorporating a feedback mechanism, as disclosed by Alaia, to keep all bidders and potential bidders appraise of the status of the marketplace and their place within the marketplace.

**Regarding Claims 40 – 43**, Claims 40 – 43 recite similar limitations to Claims 21, 23, 32 and 30, respectively, and are therefore rejected using the same art and rationale as applied in the rejection of Claims 21, 23, 32 and 30.

**Regarding Claim 45**, Claim 45 recites similar limitations to Claim 25 with the inclusion of “generic classes” of service, as each telecommunications service would constitute a class of service, by its nature, and the conversion of traffic data into a generic format, as discussed in Claim 39, Claim 45 is therefore rejected using the same art and rationale as applied in the rejection of Claim 25.

**Regarding Claims 46 – 47**, Claims 46 – 47 recite similar limitations to Claims 36 – 37 and are rejected using the same art and rationale as applied in the rejections of Claims 36 – 37.

**Regarding Claim 48**, Claim 48 recites similar limitations to Claim 38 with the inclusion of “generic classes” of service, as each telecommunications service would constitute a class of service, by its nature, and the conversion of traffic data into a generic format, as discussed in Claim 39, Claim 45 is therefore rejected using the same art and rationale as applied in the rejection of Claim 25.

**Regarding Claim 49**, Disclosed Prior Art discloses a method of analyzing telecommunications traffic comprising:

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- extracting (gathering) traffic detail data (historical call data) from multiple billing statements. (“To begin the negotiation process, historical call data is typically gathered by the customer, e.g., from past bills...” – see p. 3, lines 1 – 2);
- the billing statements being received from various telecommunications carriers. (“This is especially true when multiple carriers are used, because the carriers do not typically use the same billing format or provide the same kinds of traffic information.” – see p. 2, lines 17 – 19);
- the traffic detail data (historical call data) of each billing statement describing at least one telecommunications traffic event (one billable event). (It is inherent that historical call data obtained from a billing statement would describe at least one billable event); and
- summarizing the traffic detail data (compiling historical use summaries). (see p. 3, lines 3 – 7).

Disclosed Prior Art does not teach

- converting the traffic detail data to a generic traffic format, the generic traffic format defining multiple generic classes of service;
- storing the converted traffic detail data in a customer traffic history database; and
- summarizing the converted traffic detail data.

Disclosed Prior does not teach that the extraction and summarization method is automatic. However, it would have been obvious to one of ordinary

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skill in the art at the time the invention was made to have automated the method, since it has been held that broadly providing a mechanical or automatic means to replace manual activity that accomplishes the same result involves only routine skill in the art. *In re Venner*, 120 USPQ 192.

Converting or translating data into a generic format is old and well known in the art of computer systems and data management. It would have been obvious to one of ordinary skill at the time the invention was made to have converted traffic data into a generic traffic format which defines multiple generic classes of service, as traffic is defined by the class of service (see specification, p. 2, lines 2 – 4), to aid the reading and analysis of billing statements in nonstandard formats to aid the reading and analysis of billing statements in nonstandard formats, as such conversion must be taking place, at least within the minds of the analysts (“Since different telecommunications carriers deliver computer-readable billing data in different formats, the task of compiling historical use summaries and forecasting traffic is highly burdensome for a large company...” – see specification, p. 3, lines 3 – 7 – It is inherent that in compiling a summary based upon billing data in different formats would need to be converted into a common/standardized format, even if such conversion is mental, for summarization to take place).

Storage of information in a database is old and well known in the art of computer system and database design. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified

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Disclosed Prior Art by incorporating a database, as is old and well-known, to provide an efficient manner by which to store incoming information.

**Regarding Claims 50 – 52**, Disclosed Prior Art discloses a system:

- in which analyzing the traffic detail data (billing statements) to determine an actual cost of the telecommunications traffic. (see p. 2, lines 7 – 12 – It is inherent that in analyzing traffic detail data and identifying overcharges, the actual cost of telecommunications traffic must be determined); and
- comparing the actual cost to the estimated market price (rate at which the market is moving). (see p. 5, lines 4 – 8 – It is inherent that seeking cost reductions by deciding whether to issue an RFP, after consideration of “rate at which the market is moving”, would entail a comparison of the actual cost (currently paid cost) of telecommunication service to the estimated market price (rate at which market is moving), as such a comparison would be critical in deciding whether to issue an RFP); and
- further comprising generating an RFP recommendation notice (RFP determination) when the actual cost exceeds the estimated market price. (see p. 5, lines 8 – 9).

Disclosed Prior Art does not teach a method:

- further comprising providing a best of class database including an estimated market price for one or more of the generic classes of service; and

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- further comprising updating the best of class database based on the actual cost.

Comparing proposed price (bid) to the estimated market price (ceiling) of a specified commodity and lowering the estimated market price (ceiling) to reflect the actual market price (lowest incoming bids) of a specified commodity is old and well known in the art of auctions and sales. As evidenced by Alaia which states "A second option is to set a ceiling at the lowest bid. In this case, some suppliers may be prevented from bidding because they cannot meet the ceiling. This does not matter if the buyer is indifferent over which supplier to award to (the buyer awards to the lowest bidder either at the ceiling or the market price if bidding goes below the ceiling)." (see col. 21, lines 33 – 38). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have further modified Disclosed Prior Art by incorporating an estimated market price (ceiling) into the online reverse auction, as was disclosed by Alaia, either based upon the current lowest bid, as per Alaia, or historical billing data, as per Disclosed Prior Art, to compare incoming bids to such an estimated market price, as disclosed by Alaia, and readjust the estimated market price (ceiling) to reflect the actual market price (lowest current bid), to filter out or otherwise de-prioritize incoming bids which are not as low as the estimated market price.

Storage of information in a database and updating of such information is old and well known in the art of computer system and database design. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia by incorporating a

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database, as is old and well-known, and providing a method by which to update the database, as is old and well-known, to provide an efficient manner by which to store, filter and, otherwise, analyze incoming information.

Converting, translating and standardizing data or information into a pre-determined generic or common format is old and well known in the art of computer systems and information management. It would have been obvious to one of ordinary skill at the time the invention was made to have converted traffic data into a generic traffic format which defines multiple generic classes of service, as traffic is defined by the class of service (see Disclosed Prior Art, p. 2, lines 2 – 4), to aid the reading and analysis of billing statements in nonstandard formats, as such conversion must be taking place, at least within the minds of the analysts (“Since different telecommunications carriers deliver computer-readable billing data in different formats, the task of compiling historical use summaries and forecasting traffic is highly burdensome for a large company...” – see specification, p. 3, lines 3 – 7 – It is inherent that in compiling a summary based upon billing data in different formats would need to be converted into a common/standardized format, even if such conversion is mental, for summarization to take place).

**Regarding Claim 53 - 54**, Disclosed Prior Art discloses a method in which:

- the traffic detail data includes, for each telecommunications traffic event, a traffic direction, a type of service, a boundary type, and an applicable carrier rate schedule. (“Voice traffic classes may

differentiate telecommunications traffic based on origination location, termination location, whether the traffic was incoming or outgoing, the time of the traffic event, and the rate schedule to be applied." – see p. 3, lines 15 – 18).

Disclosed Prior Art does not teach a method in which:

- the converting of traffic detail data to the generic traffic format includes applying a predefined set of translation rules that relate the traffic detail data to a set of predefined generic classes of service based on the traffic direction, the type of service, the boundary type, and the applicable rate schedule of the traffic detail data;
- providing a traffic classification conversion table including the multiple generic classes of service and associated with carrier-dependent traffic detail characteristic; and for each telecommunications traffic event, identifying in the traffic classification conversion table a matching one of the generic classes of service associated with the carrier-dependent traffic characteristics that correspond to the traffic direction, the type of service, the boundary type, and the applicable rate schedule of the telecommunications traffic event.

Converting, translating, standardizing and/or categorizing data or information into a pre-determined generic/common format or grouping is old and well known in the art of computer systems and information management. It would have been obvious to one of ordinary skill at the time the invention was made to

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have converted traffic data into a generic traffic format and categorized it into groupings to aid the reading and analysis of billing statements, as such conversion must be taking place, at least within the minds of the analysts ("Since different telecommunications carriers deliver computer-readable billing data in different formats, the task of compiling historical use summaries and forecasting traffic is highly burdensome for a large company..." – see specification, p. 3, lines 3 – 7 – It is inherent that in compiling a summary based upon billing data in different formats would need to be converted into a common/standardized format, even if such conversion is mental, for summarization to take place).

As such conversion and/or categorization would require some format by which to map incoming information or data to a generic /standardized format or category, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art to allow for any mapping process that the inventor desired, such as a set of translation rules or a conversion table.

**Regarding Claim 55**, Disclosed Prior Art discloses a method in which:

- the traffic direction is selected from the group consisting of incoming and outgoing. (see p. 3, lines 15 – 18);
- the type of service is selected from the group consisting of voice, paging, cellular, and data transmission. (see p. 1, lines 23 – 26);  
and
- the boundary type is selected from the group consisting of different origination and destination locations. (see p. 3, lines 15 - 18).

Neither Disclosed Prior Art, Alaia nor Whitten teach a method in which:

- the boundary type is selected from the group consisting of interstate, inter-GTA, and international.

Categorizing telecommunication service as interstate, inter-GTA and international is old and well known in the art of telecommunications. It would have been obvious to have modified Disclosed Prior Art and Alaia to categorize the type of service as interstate, inter-GTA and international, as is well known in the art, to utilize terminology and classifications of telecommunication service that are already standard in the industry.

**Regarding Claims 56 – 59,** Disclosed Prior Art discloses a method in which a first one of the telecommunications carriers provides services under a contract including a minimum target quantity for a contracted class of the class of service (see p. 4, lines 21 – 24), the method further comprising:

- analyzing (monitoring) the traffic detail data (use) of the first telecommunications carrier to identify a projected traffic deficit relative to the minimum target quantity (see p. 4, lines 24 – 27); and
- analyzing (monitoring) the traffic detail data (use) of a second one of the telecommunications carriers to identify a future surplus traffic volume corresponding to the contracted class of the first telecommunications carrier. (see p. 4, lines 27 – 30);
- rerouting the future surplus traffic volume to the first telecommunications carrier to thereby reduce the projected traffic deficit. (see p. 4, lines 27 – 30);

- in which a contracting one of the telecommunications carriers provides services under a contract including a contracted service order fee, the method further comprising: analyzing the billing statement (detailed billing statement) to identify a service order event (billable event) including a billed order fee (billed fee). (see p. 2, lines 11 – 15);
- comparing the billed order fee (billed fee) with the contracted service order fee (correct fee) to identify a service order fee discrepancy (overcharge). (see p. 2, lines 11 – 15 – It is inherent that in identifying an overcharge, the analysts must compare the billed/actual fee against the correct fee); and
- notifying (identify) the customer of the service order fee discrepancy (overcharge). (see p. 2, lines 11 – 15).

Neither Disclosed Prior Art nor Alaia teach a method in which a first one of the telecommunications carriers provides services under a contract including a minimum target quantity for a contracted class of the generic class of service, the method further comprising:

- analyzing the converted traffic detail data of the first telecommunications carrier to identify a projected traffic deficit relative to the minimum target quantity and
- analyzing the converted traffic detail data of a second one of the telecommunications carriers to identify a future surplus traffic

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volume corresponding to the contracted class of the first telecommunications carrier;

- rerouting the future surplus traffic volume to the first telecommunications carrier to thereby reduce the projected traffic deficit; and
- further comprising automatically generating a message to the contracting telecommunications carrier in response to the existence of the service order fee discrepancy, the message requesting adjustment of the billed order fee.

Converting, translating, standardizing and/or categorizing data or information into a pre-determined generic/common format or grouping is old and well known in the art of computer systems and information management. It would have been obvious to one of ordinary skill at the time the invention was made to have converted traffic data into a generic traffic format and categorized it into groupings to aid the reading and analysis of billing statements, as such conversion must be taking place, as at least within the minds of the analysts ("Since different telecommunications carriers deliver computer-readable billing data in different formats, the task of compiling historical use summaries and forecasting traffic is highly burdensome for a large company..." – see specification, p. 3, lines 3 – 7 – It is inherent that in compiling a summary based upon billing data in different formats would need to be converted into a common/standardized format, even if such conversion is mental, for summarization to take place) assisting in the manual process.

Common sense would dictate that once a service order fee discrepancy (overcharge) was identified, as disclosed by Disclosed Prior Art (see p. 2, lines 11 – 15), that the contracting telecommunications carrier would be contacted regarding the service order fee discrepancy for correction, as identification of a service order fee discrepancy without corrective action would serve no purpose.

Disclosed Prior does not teach that the traffic detail analysis and notification is automatic. However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have automated the method, since it has been held that broadly providing a mechanical or automatic means to replace manual activity that accomplishes the same result involves only routine skill in the art. *In re Venner*, 120 USPQ 192.

**Regarding Claim 60**, Disclosed Prior Art discloses a telecommunications spending analysis system for analyzing multiple telecommunications billing statements received by a customer from various telecommunications carriers, each telecommunications billing statement including traffic detail data (detailed billing statements) for multiple telecommunications traffic events, (see p. 2, line 7 – p. 3, line 23) comprising:

- relating the traffic detail data (traffic information) to multiple classes of service (class of service). (see p. 2, lines 16 – 28); and
- a traffic analysis step (analyzing billing information) in communication with the customer traffic history summary (historical use summaries) for analyzing the traffic detail data (detailed billing

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statements) to thereby allow convenient summarizing and reporting of the traffic detail data. (see p. 3, lines 1 – 7).

Disclosed Prior Art does not teach a system comprising:

- a set of computer-readable translation rules that relate the traffic detail data to multiple predefined generic classes of service;
- a traffic genericizing module for converting the traffic detail data to a generic traffic detail format in accordance with the translation rules;
- a customer traffic history database for storing the converted traffic detail data; and
- a traffic analysis software module in communication with the customer traffic history database for analyzing the converted traffic detail data to thereby allow convenient summarizing, storage, and reporting of the traffic detail data.

Converting, translating, standardizing and/or categorizing data or information into a pre-determined generic/common format or grouping is old and well known in the art of computer systems and information management. It would have been obvious to one of ordinary skill at the time the invention was made to have converted traffic data into a generic traffic format and categorized it into groupings to aid the reading and analysis of billing statements, as such conversion must be taking place, at least within the minds of the analysts ("Since different telecommunications carriers deliver computer-readable billing data in different formats, the task of compiling historical use summaries and forecasting

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traffic is highly burdensome for a large company..." – see specification, p. 3, lines 3 – 7 – It is inherent that in compiling a summary based upon billing data in different formats would need to be converted into a common/standardized format, even if such conversion is mental, for summarization to take place).

Storage of information in a database and updating of such information is old and well known in the art of computer system and database design. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia by incorporating a database, as is old and well-known, and providing a method by which to update the database, as is old and well-known, to provide an efficient manner by which to store, filter and, otherwise, analyze incoming information.

Modular programming and constructing a system from modular components is old and well known in the art of computer system and manufacturing design. It would have been obvious to one of ordinary skill at the time the invention was made to have modified Disclosed Prior Art and Alaia to have been constructed utilizing a modular design to capture all the benefits and advantages of modular design such as being easier to debug and maintain.

**Regarding Claims 61 – 63**, neither Disclosed Prior Art nor Whitten teach a system in which:

- the traffic genericizing module is operable on a personal computer;
- the customer traffic history database is accessible via the Internet for storing the converted traffic detail data;

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- the traffic analysis software module is accessible remotely via the Internet using a web browser.

Having computer-operable modules/applications operable on a personal computer, and having such modules/applications and/or databases accessible for use via the Internet such as through a web browser is old and well known in the art of computer system design. It would have been obvious to modify Disclosed Prior Art and Alaia to have made such systems operable utilizing standard existing technology and technological standards.

**Regarding Claims 64 – 68**, Claims 64 – 68 recites similar limitations to Claims 53, 55, 50, 51, 56, respectively, and are therefore rejected using the same art and rationale as applied in the rejection of Claims 64 – 68.

**Regarding Claims 69 – 71**, further system claims would have been obvious from method claims rejected above, Claims 56 – 59, in combination, and are therefore rejected using the same art and rationale.

**Claims 24, 34 and 44** are rejected under 35 U.S.C. 103(a) as being unpatentable over Disclosed Prior Art and Alaia, as in Claims 16, 28 and 39 above, and in further view of Culloton (Culloton, Dan. *Going, going...Mastro Fine Sports of Oak Brook takes auctions to another level*. Daily Herald. Arlington Heights, Illinois. April 26, 1999. p. 1).

**Regarding Claim 24**, neither Disclosed Prior Art nor Alaia teach a system further comprising:

- a reference checking subsystem for receiving from each of the interested vendors an email address of a reference individual and for receiving from the reference individual a reference feedback concerning the interested vendor.

Utilizing a reference check for bidders, suppliers and sellers is old and well known in the art of sales and auctions. As evidenced by Culloton which states "So Mastro wanted to be sure that the company could still check the references of the bidders, verify their offers and conduct a secure and reliable online auction." (see abstract). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia to incorporate a reference checking function, as disclosed by Culloton, into their online auction to provide for "a secure and reliable online auction."

Furthermore, communicating through email and the provision of email addresses for such communication is old and well known in the art of communications and information transmission. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia to conduct the reference check, as disclosed by Culloton, to allow for contact of reference individuals through email, an established and existing technological means for transmission of such information.

**Regarding Claims 34 and 44,** Claims 34 and 44 recite similar limitations to Claim 24 and are therefore rejected using the same art and rationale as applied in the rejection of Claim 24.

### ***Response to Arguments***

Applicant's arguments filed 3/17/06 have been fully considered but they are not persuasive.

**In response to the applicant's argument that the specification does not constitute Disclosed Prior Art**, the MPEP states that when "the specification's background of the invention describes information as being known or conventional, [it] may be considered as an admission of prior art." *MPEP* § 704.11 (a). To that end, the background does utilize terminology that indicates the disclosed information is known or conventional through the use of language such as "commonly", "frequently", "conventionally" and/or "traditionally." Therefore, examiner asserts that information contained within the specification under the title "Background of the Invention" is an admission of prior art and, therefore, Disclosed Prior Art.

**In response to applicant's argument that there is no suggestion to combine the references**, the Courts have stated that "[a] suggestion, teaching, or motivation to combine the relevant prior art teachings does not have to be found explicitly in the prior art, as the teaching, motivation, or suggestion may be implicit from the prior art as a whole, rather than expressly stated in the references...The test for an implicit showing is what the combined teachings, knowledge of one of ordinary skill in the art, and the nature of the problem to be solved as a whole would have suggested to those of ordinary skill in the art... there must be some articulated reasoning with some rational underpinning to

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support the legal conclusion of obviousness.” (emphasis added). *In re Kahn*, 78 USPQ2d 1329, 1336 (CA FC 2006). Examiner asserts that he can and/or has provided such “articulated reasoning” to support the legal conclusion of obviousness.

**In response to applicant’s argument that there must be a reasonable expectation of success**, examiner asserts that there must be only “a reasonable expectation of success.” *In re Merck & Co., Inc.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986). Obviousness “does not require absolute predictability of success,” merely some degree of predictability is required. *In re O’Farrell*, 7 USPQ2d 1673, 1681 (CA FC 1988). However, evidence that there was no reasonable expectation of success may refute a conclusion of obviousness. *In re Rinehart*, 531 F.2d 1048, 189 USPQ 143 (CCPA 1976). Lacking such evidence, examiner maintains that, based upon the prior art reference(s) and the knowledge of one of ordinary skill in the art, that there is a reasonable expectation of success.

**In response to applicant’s argument(s) that examiner improperly relied upon knowledge available to one of ordinary skill in the art without specific factual findings**, examiner asserts that “[o]fficial notice without documentary evidence to support an examiner’s conclusion is permissible.” *MPEP* §2144.03. Official notice may be taken by the examiner when the facts asserted to be as being well-known, or to be within common knowledge, in the art are “capable of instant and unquestionable demonstration as to defy dispute.” *In re Ahlert*, 424 F.2d 1088, 1091, 165 USPQ 418, 420 (CCPA 1970). Examiner

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asserts that such disputed knowledge is old and well known in the art and shall present specific factual findings to establish such claims.

**In response to applicant's first argument concerning the §103 rejection of Claim 1**, specifically applicant's argument that Disclosed Prior Art does not disclose a reverse auction, examiner asserts that Disclosed Prior Art does disclose such an auction.

An auction is a method of sale in which one party solicits bids from bidders to determine the market price and/or sale price for an auctioned item, and awards the auctioned item to the winning bidder. This is in contrast to a straight sale in which a seller sets a fixed price for an item to be sold and buyers must match the stated fixed price. Disclosed Prior Art discloses bidders ("interested vendors") submitting ("a bid for the services") and the contract for provision of the service contract going to the winning bidder ("one or more of the vendors.") (see p. 4, lines 4 – 19).

Furthermore, auctions can be a standard auction in which the seller solicits bids from bidders for the sale of an auctioned item, awarding the item to the highest bidder, or auctions may also be a reverse auction in which the buyer solicits bids from sellers for provision of an auctioned item and/or service, awarding the contract for such item and/or service to the lowest bidder. Disclosed Prior Art discloses a reverse auction as the goal of the auction is to "seek the most competitive rate." (see p. 3, lines 26 – 29).

Applicant attempts to distinguish Disclosed Prior Art from Claim language as Claim language embraces a "more robust analysis than a mere reverse

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auction.” However, despite applicant’s assertions, applicant has not cited any claim language that invalidates examiner’s Claim interpretation.

Applicant also argues that Disclosed Prior Art discloses that “each vendor submits a single proposal,” and that a reverse auction requires each vendor to be allowed to submit multiple bids and be aware of the current winning bid.

However, such a requirement does not exist, as sealed-bid auctions are old and well known in which bidders submit one single bid, usually on a piece of paper sealed in an envelope, and all the envelopes are opened at once with the winning bidder being committed to the bid submitted.

Furthermore, examiner would like to remind applicant that references should not be refuted in a piecemeal fashion, as “one cannot show non-obviousness by attacking references individually where, as here, the rejections are based on combinations of references.” *In re Keller, Terry, and Davies*, 208 USPQ 871, 882 (CCPA 1981). To that point, even if Disclosed Prior Art, does not constitute a reverse auction, an assertion that the examiner refutes, Alaia, the secondary reference, does disclose a reverse auction (“supplier-bidding auction” or “downward auction”). (see col. 2, line 23 – col. 5, line 46).

Examiner would like to further assert that it would have been obvious to one of ordinary skill at the time the invention was made to have modified Disclosed Prior Art by incorporating an online reverse auction, as disclosed by Alaia, allowing for automation of the entire auction process and all the obvious benefits to be obtained therefrom. Such benefits include, but are not limited to, quicker communications between all auction parties in an online environment,

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and easier compiling and analysis of submitted bids as bids are communicated to the system in a standard electronic format.

Additionally, examiner would like to state that in the previous office action only that the underlined portions of the claim language were not disclosed by the cited prior art reference(s), not the entirety of claim language, the examiner thought such was apparent when the rejection of the claims was read as a whole, as non-underlined portions were disclosed previously and underlined portions were discussed subsequently.

**In response to applicant's second argument concerning the §103 rejection of Claim 1**, specifically applicant's argument that Alaia in view of asserted knowledge old and well known in the art does not render obvious the "updating the database so that the market price more accurately approximates an actual market price," the examiner respectfully disagrees.

Alaia discloses a computerized auction system. It is inherent that the computerized system has some method by which to store information concerning the auction that operates upon such system. Databases are old and well known in the art for storage of information in computerized systems. (see col. 1, lines 47 – 54). As auctions determine the sale price and/or market price of an item via collection of bids from market participants, the best bid reflects the market price of the auctioned item. The computerized auction system, as disclosed by Alaia, displays the market price ("current lowest or best bid"). (see col. 4, lines 49 – 50).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia by

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incorporating the storage of market prices, as disclosed by Alaia, in a database, as disclosed by Alaia, as an auction method requires retention of information concerning submitted bids and information concerning the best bid, and as databases are conventionally utilized for storage of information in computerized systems.

As applicant refutes examiner assertion concerning "storage of information in a database and updating of such information is old and well known in the art of computer design and database design," examiner cites Lee (Lee, Sul H. *Vendor Evaluation and Acquisition Budgets*. Haworth Press. Binghamton, NY. 1992. p. 114) for the limited purpose of demonstrating that storage of information in a database and updating of such information ("updating prices") contained within such database is old and well known in the art.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia by incorporating the ability to store information in a database and update such information contained within the database, as is old and well known in the art, to allow the computerized auction system to update the market price ("current lowest or best bid") contained within the database based upon the receipt of new bids, which could result in a market price that is more current and "more accurately approximates an actual market price."

**In response to applicant's arguments concerning the §103 rejection of Claim 9**, as applicant's arguments concerning Claim 9 are similar to applicant's first and second arguments concerning Claim 1, examiner refutes

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applicant's arguments using the same art and rationale as applied against applicant's arguments concerning Claim 1.

**In response to applicant's arguments concerning the §103 rejection of Claim 16**, examiner asserts that in the previous office action only that the underlined portions of the claim language were not disclosed by the cited prior art reference(s), not the entirety of claim language. The examiner thought such was apparent when the rejection of the claims was read as a whole, as non-underlined portions were disclosed previously and underlined portions were discussed subsequently.

As applicant does not refute nor address applied prior art reference(s), examiner asserts that applicant agrees with the application of the prior art reference(s) and the rationale for a finding of obviousness.

**In response to applicant's arguments concerning the §103 rejection of Claim 28**, as applicant's arguments concerning Claim 28 are similar to applicant's arguments concerning Claims 1, 6 and 16, examiner refutes applicant's arguments using the same art and rationale as applied against applicant's arguments concerning Claims 1, 6 and 16.

**In response to applicant's first argument concerning the §103 rejection of Claim 39**, specifically applicant's argument that examiner concludes it would have been obvious to automate the claimed method, examiner wishes to clarify rejection. Examiner does not conclude that it would have been obvious to automate a manual process. The courts have concluded that it would have been obvious to automate a manual process. *In re Venner*, 120 USPQ 192.

**In response to applicant's second argument concerning the §103 rejection of Claim 39**, specifically "even though the teachings of the prior art references...were individually known at the time" there is insufficient motivation to combine such references, examiner respectfully disagrees.

Applicant concedes that the "teachings of the prior art references...were individually known at the time" and examiner asserts that sufficient motivation exists to combine such references.

Disclosed Prior Art discloses the analysis of incoming telecommunication bids, selecting the best bid to "provide services to meet its telecommunication needs." (see p. 4, lines 9 – 20). The winning bid ("contract") may specify different rates for numerous classes of service, differentiated by service class designators. (see p. 3, lines 9 – 23).

Alaia discloses a computerized auction system that receives and processes incoming bids. The auction system also displays the estimated market price ("current lowest or best bid"). (see col. 4, lines 49 – 50). Furthermore, Alaia discloses databases for storage of information. It would have been obvious to one of ordinary skill in the art at the time of the invention was made to have modified Disclosed Prior Art by incorporating the storage of information concerning the incoming bids on a database, as disclosed by Alaia, such as the estimated market price, as disclosed by Alaia, and information concerning classes which are part of telecommunication bids and/or contracts, as disclosed by Disclosed Prior Art, allowing for storage of information in a computer system, as databases are conventional storage components for computers.

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Lee discloses the storage of information in a database and the updating of such information. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia by incorporating the ability to further store information in a database and update such information contained within the database, as disclosed by Lee, to allow the computerized auction system to update the market price ("current lowest or best bid") contained within the database based upon the receipt of new bids, which could result in a market price that is more current and "more accurately approximates an actual market price."

Modular design and constructing a system from modular components is old and well known in the art of computer system and manufacturing design, as the applicant concedes. It would have been obvious to one of ordinary skill at the time the invention was made to have modified Disclosed Prior Art and Alaia to have constructed the system utilizing a modular design to capture all the benefits and advantages of modular design, such as being easier to debug and maintain. With modular design the entire system does not need to be shutdown to debug, repair and/or upgrade the system, the relevant component modules just need to be detached and/or replaced, with the main system still continuing its function.

**In response to applicant's first argument concerning the §103 rejection of Claim 49**, specifically that Disclosed Prior Art fails "to teach nor suggest extracting traffic detail data from multiple billing statements, converting the traffic detail to a generic traffic format, storing the generic traffic detail data,

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and the summarizing the converted traffic detail data,” examiner respectfully disagrees.

Examiner asserts that Disclosed Prior Art discloses extracting traffic detail data from multiple billing statement, as Disclosed Prior Art states “historical call data is typically gathered by the customer, e.g. from past bills, and used to forecast telecommunication needs for the duration of the proposed contract term.” (see p. 3, lines 1 – 3). The extracted traffic detail is then summarize, such as in a “historical use summaries.” (see p. 3, lines 3 – 7). Historical use data encompasses traffic detail data, as the historical data contained within the billing statements are used in further “forecasting traffic” and the billing statements allow for “determine[ing] the actual rates applied to particular traffic.” (see p. 3, lines 3 – 11). Admittedly, Disclosed Prior Art discloses that such a process is “very difficult” and presents a “complicated task,” but does not state that such process is unknown. (see p. 3, lines 9 – 23).

As applicant refutes examiner assertion concerning “storage of information in a database is old and well known in the art of computer design and database design,” examiner cites Lee (Lee, Sul H. *Vendor Evaluation and Acquisition Budgets*. Haworth Press. Binghamton, NY. 1992. p. 114) for the limited purpose of demonstrating that storage of information in a database is old and well known in the art.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art and Alaia, a computerized system, by incorporating the ability to store information from the

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methods, as disclosed by Disclosed Prior Art, in a database, as databases are conventional information storage devices utilized with computerized systems, as disclosed by Lee, and automation of the methods, as disclosed by Disclosed Prior Art, would have been obvious in view of *In re Venner*.

Disclosed Prior Art discloses that the data analyzed comes “in different formats, the task of compiling historical use summaries and forecasting traffic is highly burdensome for a large company.” (see p. 3, lines 3 – 7).

As applicant refutes examiner assertion concerning “[c]onverting or translating data into a generic format is old and well known in the art of computer systems and data management,” examiner cites Goodyear (Goodyear, Mark. *Enterprise System Architectures*. CRC Press. Danvers, MA. January 1, 2000. p. 32-15 – 32-18) for the limited purpose of demonstrating that conversion and/or translating data into a generic format is old and well known in the art.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Disclosed Prior Art, Alaia and Lee by incorporating the conversion of incoming data that is in “different formats,” as disclosed by Disclosed Prior Art, into a generic format, as disclosed by Goodyear, as conversion of information into a generic format would enable easier comparison between data

**In response to applicant’s arguments concerning the §103 rejection of Claim 60**, as applicant’s arguments concerning Claim 60 are similar to applicant’s arguments concerning Claims 49, examiner refutes applicant’s

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arguments using the same art and rationale as applied against applicant's arguments concerning Claims 49.

### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason M. Borlinghaus whose telephone number is (571) 272-6924. The examiner can normally be reached on 8:30am-5:00pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hyung Sough can be reached on (571) 272-6799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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